

Pedestrian Crossover - 85 Thorncliffe Park Drive

Date: May 28, 2018

To: North York Community Council

From: Acting Director, Transportation Services Division, North York District

Wards: Ward 26 - Don Valley West

SUMMARY

As the Toronto Transit Commission (TTC) operates bus service on Thorncliffe Park Drive, City Council approval of this report is required.

Transportation Services is requesting City Council approve the installation of a pedestrian crossover (PXO) on Thorncliffe Park Drive at a point 115 metres south of its east intersection with Overlea Boulevard. The installation of a pedestrian crossover is technically justified and will enhance safety for pedestrians crossing at this location. However, this installation may increase delays for motorists on Thorncliffe Park Drive, as these movements will no longer operate with free flow.

To facilitate the installation of the PXO it may be necessary to relocate the TTC stop on the east side of the street. A suitable location is being determined in consultation with the TTC. Additionally, the recently approved bicycle lane design for Thorncliffe Park Drive may have to be modified slightly to accommodate the pedestrian crossover.

RECOMMENDATIONS

The Acting Director, Transportation Services, North York District recommends that:

1. City Council approve the installation of a pedestrian crossover (PXO) on Thorncliffe Park Drive at a point 115 metres south of the east intersection with Overlea Boulevard.

FINANCIAL IMPACT

The estimated cost for installing a pedestrian crossover on Thorncliffe Park Drive is approximately \$40,000. This installation would be considered in 2019 and would be subject to the availability of funding and competing priorities.

Additionally, the pedestrian crossover installation may require modifications to the boulevard on Thorncliffe Park Avenue to accommodate a relocated TTC stop. This civil work may result in additional costs to the pedestrian crossover installation.

DECISION HISTORY

City Council, at its meeting on April 24, 2018 adopted Item PW28.13, which recommended the installation of bicycle lanes over the entire length of Thorncliffe Park Drive. The Council decision can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2018.PW28.13>

COMMENTS

Transportation Services was requested by Councillor Burnside, on behalf of local residents, to review the need for pedestrian crossing protection in the vicinity of 85 Thorncliffe Park Drive.

Thorncliffe Park Drive is a collector street that generally consists of one lane in each direction and a two-way centre left-turn lane. It forms a circular loop, intersecting the south side of Overlea Boulevard in two separate, signalized intersections. It has a pavement width of approximately 14.5 metres, a posted speed limit of 40 km/h and a daily two-way traffic volume of approximately 10,000 vehicles. There are sidewalks on both sides of the street. Parking is prohibited at all times on both sides of Thorncliffe Park Drive. TTC service on Thorncliffe Park Drive is provided by the 81 Thorncliffe Park, 88 South Leaside and 325 Don Mills bus routes.

The driveway to 85 Thorncliffe Park Drive is located on the east side of the street, 100 metres south of the eastern signalized intersection with Overlea Boulevard. The land use in this area is mid to high rise residential. The East York Town Centre and Thorncliffe Park Public School are located on the west side of this section of Thorncliffe Park Drive.

There is an existing pedestrian crossover on Thorncliffe Park Drive, 160 metres south of the driveway to 85 Thorncliffe Park Drive approximately 145 metres south of the proposed new PXO. There is a northbound transit stop on the east side of street, just south of the driveway to 85 Thorncliffe Park Drive. The nearest southbound transit stop is located 70 metres north of the driveway, on the west side of Thorncliffe Park Drive.

A review of Toronto Police Services collision records for the three-year period ending December 31, 2017, revealed that there were no reported collisions involving a pedestrian in the vicinity of the driveway of 85 Thorncliffe Park Drive.

To determine the need for pedestrian crossing protection, a weekday eight-hour pedestrian volume and delay study was undertaken in the vicinity of the driveway of 85 Thorncliffe Park Drive on November 6, 2017. The study revealed that 1,049 pedestrians crossed Thorncliffe Park Drive in this area, comprised of the following types:

- 770 youths and adults;
- 255 assisted children;
- 12 seniors;
- 12 unassisted children; and
- 0 pedestrians with disabilities.

Of these 1,049 pedestrians, 163 experienced delays greater than 10 seconds to cross.

To support the installation of a pedestrian crossing device, the warrants require a minimum of 200 pedestrians over eight hours, of which at least 130 must be delayed more than 10 seconds. Based on the study results and the traffic volume on Thorncliffe Park Drive, the warrants for the installation of a pedestrian crossing device at this location are satisfied to the following extent:

Table 1: 85 Thorncliffe Park Drive - Pedestrian Crossover Warrant Criteria and Compliance (November 6, 2017)

Criteria	Compliance
Pedestrian Volume	100 percent
Pedestrian Delay	100 percent

Considering the above, the installation of a pedestrian crossing device is warranted on Thorncliffe Park Drive in the vicinity of the driveway of 85 Thorncliffe Park Drive.

A review of the roadway environment revealed a pedestrian crossover is an appropriate crossing device and should be located at a point 15 metres south of the driveway of 85 Thorncliffe Park Drive (115 metres south of the east intersection with Overlea Boulevard). The installation of a pedestrian crossover will enhance safety for pedestrians crossing Thorncliffe Park Drive. This will result in increased delays for traffic on Thorncliffe Park Drive since north-south traffic will no longer operate free flow.

The installation of the proposed pedestrian crossover may require the relocation of the existing TTC stop on the east side of the street, just south of the driveway of 85 Thorncliffe Park Drive. A suitable location is being determined in consultation with the TTC.

The bicycle lane design for Thorncliffe Park Drive, approved by City Council on April 24, 2018, may have to be modified slightly to accommodate the proposed pedestrian crossover. The bicycle lanes have not yet been installed but have been scheduled for 2018.

A weekday eight-hour crosswalk observance study was also undertaken at the existing pedestrian crossover on Thorncliffe Park Drive, located 160 metres south of the driveway of 85 Thorncliffe Park Drive. This study was undertaken on January 24, 2018 to determine if the existing pedestrian crossover should be relocated or removed in conjunction with the proposed pedestrian crossover installation. The study revealed that 786 pedestrians crossed at this pedestrian crossover over eight hours. Of these, three did not activate the overhead flashing beacons. Twelve vehicles failed to yield to pedestrians waiting to cross. Based on these study results, Transportation Services recommends maintaining the existing pedestrian crossover in its current location.

The Ward Councillor is aware of the recommendation of this staff report.

CONTACT

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SIGNATURE

Peter K. Hillier
Acting Director

ATTACHMENTS

Attachment 1: Map - Proposed Pedestrian Crossover - 85 Thorncliffe Park Drive